



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 294, October 3, 2025

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

This bulletin is available via email subscription only. See

<http://www.arrl.org/bulletins> to subscribe. (The online archive is no longer updated.)

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

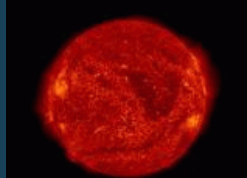
Dr. Tony Phillips' [SpaceWeather.com](#), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

04 Oct 2025 1707 GMT
SFI: 170 SN: 137
A-Index: 30
K-Index: 4
X-Ray: C1.9
304A: 133.3 @ SEM
Ptn Flx: 12
Etc Flx: 2180
Aurora: 4/n=1.99
Mag (Bz): -1.4
Solar Wind: 587.6
Geomag Field ACTIVE
Sig Noise Lvl S3-S4
Current Solar Image



<http://www.nonbh.com>
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DX News

3B8, MAURITIUS. Roman, 5B4AQN, signs **3B8/5B4AQN** until **October 4th**. QSL direct via [5B4AGN](#).
-[DXNL # 2478 October 1, 2025] (1003-1010)

5R, MADAGASCAR. Eric, F6ICX will be active again as **5R8IC** from Sainte-Marie Island (AF-090), Madagascar from **October until late December** or early January. He will operate CW with some FT8 (F/H) and SSB on 40-10 meters; during the last two weeks of December and maybe the first week of January he will also be QRV via QO-100. QSL via LoTW, [ClubLog's OQRS](#), or via [F6ICX](#).
-[425DXN # 1795 September 27, 2025] (1003-1017)

5X, UGANDA. Pista, HA5AO, will be back on the air as **5X2I** from **September 29th to October 10th**. QRV on 80-6m on CW, SSB, and FT8. For more information see: <https://www.ha5ao.com/index.php/dxpeditions/5x2i-uganda-2025>. QSL via HA5AO's OQRS (<https://ha5ao.com/oqrs/logsearch.php>), LoTW or direct to [HA5AO](https://www.ha5ao.com).
-[DXNL # 2477 September 24, 2025] (0926-1010)

7P, LESOTHO. Brandon, ZS6LZ, is QRV as **7P8LZ** while here on a hiking expedition in the Drakensberg mountains **beginning September 17th**. He plans to activate various POTA and SOTA references. Activity is mainly on 10 meters using SSB, with some activity on 40 meters. QSL to [ZS6LZ](https://www.zs6lz.com).
-[ARRL DX Bulletin # 38 September 18, 2025] (0919-1010)

7Q, MALAWI. Zachary, KJ5BIN, has set up a remote station during his volunteering at a hospital in Embangweni, which he now uses with the callsign **7Q5BIN** on 10 and 6m (SSB, FT8/4). QSL direct via [KJ5BIN](https://www.kj5bin.com), OQRS.
-[DXNL # 2477 September 24, 2025] (0926-1017)

9A, CROATIA. Special callsign **9A1ØSOTA** celebrates ten years of SOTA Croatia. Look for activity from **October 1st to September 30, 2026**. A certificate will be available for contacts made between October 1st and December 31st, 2025. See <https://9aff.wordpress.com/> for information. QSL via LoTW.
-[425DXN # 1795 September 27, 2025] (0926-1017)

9N, NEPAL. Suvana, OMØGA has moved permanently to India, where he holds the callsign VU3OPT. He will be QRV as **9N/OMØGA** from **September 2nd to October 13th**. See <https://www.9n7ga.com> for more information.
-[425DXN # 1794 September 20, 2025] (0919-1017)

A5, BHUTAN. Gerben, PG5M now expects to be QRV as **A52G** from Bhutan on **October 1st-8th** (local dates). (The DXpedition was originally scheduled for October 3rd-9th.) He will operate CW and some FT8 (MSHV) on 40-10 meters, and maybe "some 6m". See <https://dx.to/a52g/> for more information. QSL via [MØOXO's OQRS](https://www.m0oxo.com); full LoTW upload after 6 months.
-[425DXN # 1795 September 27, 2025] (0926-1010)

C2, NAURU. Phill, **C21TS** now expects to remain on Nauru (OC-031) **until November 30th**. After a 2-month leave, "I'll probably be back for a few months from February 2026 with minimal gear", he says. He will be QRT for good no later than June 2026. QSL via LoTW, or via [MØOXO's OQRS](https://www.m0oxo.com).
-[425DXN # 1795 September 27, 2025] (0926-1130)

CEØX, SAN FELIX & SAN AMBROSIO. Felipe, XQ7IR, announces his activation of San Ambrosio Island (SA-013) in **October or November** as **3GØXQ**. The DXCC entity is among the most wanted worldwide, since its last activation in 2002. At present, the islands are under military control which does not allow the presence of a multi-person group on the islands. Felipe plans to operate on 160-10m (SSB, FT8) and have a second rig with him for remote operations on CW and FT8. See also: <https://www.sanambrosio-project.com>. QSL via [ZL3SSB](https://www.zl3ssb.com).
-[DXNL # 2478 October 1, 2025] (1003-1024)

DL, GERMANY. Look for team **DD4U** (namely DB1RUL, DJ1JB, DJ4EL, DJ5TM, DJ6MC, DK2BK, DL7ACN and DM1SV) to be active 160-10 meters SSB. CW and FT8 from Ummanz Island (EU-057) on **October 1st-5th**. QSOs will be uploaded to ClubLog. QSL via the bureau.
-[425DXN # 1795 September 27, 2025] (0926-1010)

DL, GERMANY. The special event stations **DC75DARC**, **DD75DARC**, **DK75DARC**, and **DR75DARC** continue to celebrate DARC's 75th anniversary **until the end of October**. An award program, involving QSOs with DARC members, DARC officials, and club stations is also available via the DARC Community Logbook (DCL). QSL for all for callsigns via [DL2VFR](https://www.dl2vfr.com).
-[DXNL # 2477 September 24, 2025] (0926-1031)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of October 3, 2025:

1. P5	DPRK (North Korea)	11. VKØM	Macquarie Island
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. PYØS	Saint Peter And Paul Rocks

4. BV9P	Pratas Island	14. KP5	Desecheo Island
5. KH7K	Kure Island	15. VPØS	South Sandwich Islands
6. KH3	Johnston Island	16. ZL9	New Zealand Subantarctic Islands
7. 3Y/P	Peter 1 Island	17. FK/C	Chesterfield Islands
8. FT5/X	Kerguelen Island	18. VKØH	Heard Island
9. YVØ	Aves Island	19. FT/T	Tromelin Island
10. 3Y/B	Bouvet Island	20. EZ	Turkmenistan

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF October 3, 2025] (1003-1024)

E5/N, NORTH COOK IS. Team **E51MWA** (Robert N7QT, Jack N7JP, James KC7EFP, Brian N9ADG, and YL operators Robin WA7CPA and Violetta KN2P) will be active from Manihiki Atoll (OC-014), North Cook Islands on **October 9th-20th**. They will operate CW, SSB, and FT8 (F/H) on 160-10 meters with three stations. See <https://www.e51mwa.com> for more information and updates. Selective LoTW upload will be in place. QSL via [MØURX's OQRS](#).

-[425DXN # 1787 August 2, 2025] (1003-1024)

EA, SPAIN. Special callsign **AN5CV** will be activated on **October 6th-12th** to celebrate the Day of the Valencian Community. Certificates and eQSLs will be available on HamAward: <https://hamaward.cloud/>.

-[425DXN # 1796 October 4, 2025] (1003-1017)

F, FRANCE. Special callsign **TM46CDXC** operates around the 46th convention of the Clipperton DX Club (CDXC) from **September 27th to October 11th**. For more information see: <https://cdxc.org/2025-sainte-victoire-pays-daix/>. QSL via operator's instructions.

-[DXNL # 2477 September 24, 2025] (0926-1010)

FO, FRENCH POLYNESIA. Yann, F1SMB, is currently active as **FO/F1SMB** from Tahiti (OC-046) on 20-10m on SSB and FT8. The duration of his stay is not known at present. QSL via LoTW.

-[DXNL # 2476 September 17, 2025] (0919-1010)

H4, SOLOMON IS. Bernhard, DL2GAC, will be QRV as **H44MS** from Malaita Island (OC-047) from **September 20th to November 25th**, and then **January 25th, 2026, to April 10th, 2026**. Activity will be on 80 to 6 meters using SSB and FT8. QSL to [DL2GAC](#).

-[ARRL DX Bulletin # 38 September 18, 2025] (0919-1010)

HH, HAITI. Members of Radio Club d'Haiti will be active as **4V1SB** on **October 1st-31st**. The special callsign commemorates Simon Bolivar, who led several South American countries to independence from the Spanish Empire. Haiti played a crucial role in Bolívar's revolutionary efforts by offering him refuge and providing significant military support. QSL via [N2OO](#).

-[425DXN # 1796 October 4, 2025] (1003-1031)

HZ, SAUDI ARABIA. In recognition of World Space Week, the Saudi Amateur Radio Society (HZ1SAR) will activate the special callsign **HZ9WSW** on **October 4th-10th**. Also active during the same period will be the Emirates Amateur Radio Society as **A6ØWSW** (individual operators may append a serial number to the special callsign).

-[425DXN # 1796 October 4, 2025] (1003-1010)

I, ITALY. A team (IT9BZW, IT9HTV, IT9JKT, IT9JTN, IT9KQV, IT9NVA, IT9VPE and IT9ZEC) will be active as **II9ICP** from Isola di Capo Passero (EU-166) on **October 4th**. They will operate SSB, CW and FT8/FT4 on 40-10 meters. QSL via the bureau.

-[425DXN # 1795 September 27, 2025] (1003-1010)

I, ITALY. Members of ARI Gorizia (IQ3GO) will be active as **II3GONG** from **October 1st to December 29th**. The special callsign's suffix stands for Gorizia (Italy) and Nova Gorica (Slovenia), the first cross-border European Capital of Culture. A certificate will be available, see <https://www.qrz.com/db/II3GONG> for information. QSL via the bureau and eQSL.

-[425DXN # 1795 September 27, 2025] (0926-1024)

I, ITALY. Celebrating 130 years of radio and IARU's centenary, several special callsigns will be in use from **September 15th to October 15th**: **IIØIARU** (Sardinia), **II1IARU**, **II2IARU**, **II3IARU**, **II4IARU**,

I15IARU, I16IARU, I17IARU, I18IARU, I19IARU, IR0IARU, IR2IARU, IR3IARU, IR7IARU and IR8IARU, as well as **I11RVCO, I12RBUS, I13RTRE, IR2RGAL, IR2RIMV and IR2RMAG**. See <https://www.ari.it/> for more information. Certificates and eQSLs will be available on HamAward.

-[425DXN # 1793 September 13, 2025] (0912-1017)

J3, GRENADA. Eric, GM5RDX and Graham, 2M0IJU will be active as **J38DX** and **J38LD**, respectively, from Grenada (NA-024) on **October 8th-15th**. They will operate mainly SSB, with some FT8, on 80-6 meters. QSL for both callsigns via [M0OXO's OQRS](#).

-[425DXN # 1795 September 27, 2025] (1003-1017)

JA, JAPAN. Mitsuru, JE1HXZ will be active as **JE1HXZ/6** from Kita-Daito Island (AS-047) on **October 8th-15th**. He will operate CW, SSB, RTTY and FT8/FT4 on 160-6 meters. QSL via LoTW.

-[425DXN # 1796 October 4, 2025] (1003-1017)

JA, JAPAN. Take, JI3DST will be active as **JS6RRR** from Miyako Island (AS-079) from **September 26th until December 3rd**. He will operate SSB, CW and FT8 on 40-6 meters. Other callsigns to be used are **JI3DST/6, JJ5RBH/6, JI3DST/p** and **JJ5RBH/p**. QSOs will be uploaded to ClubLog and LoTW.

-[425DXN # 1796 October 4, 2025] (1003-1031)

JD1/M, MINAMI TORISHIMA. Take, JG8NQJ has been back to the weather station on Minami Torishima (OC-073) since September 18th, and will remain there until December, his QSL manager reports. Take is QRV as **JG8NQJ/JD1** in his limited spare time. He operates CW and some FT8 (please note that he wants you to call with your signal report, not your grid square). QSL via [JA8CJY](#) (direct), [JG8NQJ](#) (bureau) and LoTW.

-[425DXN # 1794 September 20, 2025] (0919-1024)

JW, SVALBARD. Look for JW7XK, JW9DL and JW6VM to be active from the Svalbard Amatorradioklubb in Longyearbyen (EU-026), Svalbard on October 8th-13th. They will participate in the Scandinavian Activity Contest, SSB (October 11th-12th) as **JW5X**. Outside the contest, **JW9DL** will be mostly active on FT8 and FT4, **JW6VM** on CW, and **JW7XK** via satellite (RS-44) on CW, SSB and FT4. QSL JW7XK via [LA7XK](#), [ClubLog's OQRS](#) and LoTW. QSL JW9DL via [LA9DL](#), [ClubLog's OQRS](#) and LoTW. QSL JW6VM via [LA6VM](#). QSL JW5X via [ClubLog's OQRS](#), LoTW, or via [LA5X](#).

-[425DXN # 1795 September 27, 2025] (1003-1017)

K, UNITED STATES. Radio club **NI6BB** aboard the USS Iowa marks the 200th anniversary of the US Navy from **October 4th to 19th**. See also <https://biara.org>.

-[DXNL # 2478 October 1, 2025] (1003-1024)

K, UNITED STATES. Special event stations **N0F, N1F, N2F, N3F, N4F, N5F, N6F, N7F, N8F** and **N9F**, plus **KF2IRE** and **VE3FIRE** (Canada) will be active on **October 5th-11th** for the Fire Prevention Week 2025. See <https://hamfire.com/> for more information on the event. QSL cards for any of the FPW stations should be sent direct to Fire Prevention Week Special Event, c/o Siemens Fire Safety USA, 2 Gatehall Drive, Parsippany NJ 07054, USA.

-[425DXN # 1795 September 27, 2025] (1003-1010)

K, UNITED STATES. Special event callsign **WW0WWV** will be in use on **October 2nd-5th** to mark the 106th anniversary of the time and frequency standard station WWV, one of the oldest continuously operating radio stations in the world. See https://www.varc.org/WWV_106th_SES for more information. QSL via LoTW, [ClubLog's OQRS](#), or direct to WWV ARC, PO Box 273226, Fort Collins, CO 80527, USA.

-[425DXN # 1795 September 27, 2025] (0926-1010)

KH0, MARIANA IS. Harry, JG7PSJ is QRV as **WH0RU** from Saipan (OC-086) **until October 12th**. Activity is on 40 to 10 meters using CW, SSB, and various digital modes. QSL via LoTW or direct to [JG7PSJ](#).

-[ARRL DX Bulletin # 40 October 2, 2025] (1003-1017)

LX, LUXEMBOURG. Special callsigns **LX25GDH** (**September 3rd - October 3rd**) and **LX25GDG** (**October 3rd - November 3rd**) are the for Radioamateurs du Luxembourg (RL, Luxembourg's IARU society) to mark the "Trounwiessel" - the accession to the throne of Prince Guillaume, who is set to

become Grand Duke on October 3rd upon the abdication of his father the Grand Duke Henri. QSL via [ClubLog's OQRS](#).

-[425DXN # 1792 September 6, 2025] (0905-1107)

OX, GREENLAND. Bo, OZ1DJJ will be active again as **OX3LX** from Greenland (NA-018) from **October 3rd to 21st**. As always, this will be a working trip, and he will be QRV only in his spare time. QSL via LoTW, [ClubLog's OQRS](#) or via [OZØJ](#).

-[425DXN # 1796 October 4, 2025] (1003-1024)

PA, NETHERLANDS. Special callsign **PA8ØVERON** celebrates the 80th anniversary of the Dutch IARU society, Vereniging voor Experimenteel Radio Onderzoek in Nederland (VERON). QSL via [PA1AW](#).

-[425DXN # 1796 October 4, 2025] (1003-1024)

PYØF, FERNANDO DE NORONHA. Mario, PY2DV as **PYØFB** (80-6 meters SSB and some FT8) and Bruce, PY2BS as **PYØFBS** (23cm EME) will be active from Fernando de Noronha (SA-003) on **October 8th-15th**. QSLs via [MØURX's OQRS](#) and LoTW.

-[425DXN # 1791 August 30, 2025] (1003-1017)

PYØS, ST. PETER & ST. PAUL ROCKS. Ops KO8SCA, PY2XB, AA7JV, KN4EEI, PY5CC, and HA7RY activate St. Peter and St. Paul Rocks (SA-014) during October and November. The actual dates will be announced later. They will deploy Radios in Boxes (RIB) on the island and use them from aboard a vessel. For their actual callsign and other updated information see: <http://py0s2025.com>.

-[DXNL # 2478 October 1, 2025] (1003-1024)

S7, SEYCHELLES. Kasimir, DL2SBY will be active as **S79/DL2SBY** from the Seychelles from **September 28th to October 12th**. He will be QRV on the HF bands with verticals and an inverted vee, and on 6 meters with 5-element Yagi. QSOs will be uploaded to ClubLog. QSL via LoTW, or direct to [DL2SBY](#).

-[425DXN # 1794 September 20, 2025] (0926-1017)

SM, SWEDEN. Eight special callsigns (**7S1ØØSSA**, **8S1ØØSSA**, **SB1ØØSSA**, **SC1ØØSSA**, **SD1ØØSSA**, **SE1ØØSSA**, **SF1ØØSSA** and **SM1ØØSSA**) will be in use from **September 10th to October 12th** in celebration on the 100th anniversary of the Foreningen Sveriges Sandareamatorer (SSA), Sweden's IARU member society. Look for activity on 160-6 meters CW, SSB and digital modes. Details of the award program will be published on <https://hamaward.cloud/awards>.

-[425DXN # 1791 August 30, 2025] (0905-1017)

T32, E. KIRIBATI. Ken, KH6QJ, is currently operating as **T32AZ** from Kiribati (OC-024) on 20m SSB. QSL via [KH6QJ](#).

-[DXNL # 2476 September 17, 2025] (0919-1010)

T32, E. KIRIBATI. Darren, VK4MAP, is QRV as **T32K** from Kiritimati (OC-024) and is here **for two weeks**. Activity is holiday style on 80, 40, 20, 15, 12, and 10 meters using SSB. It is possible that he may be active as T32K/p from the smaller islands of Cook, Wood, or Arthur. QSL to [VK4MAP](#).

-[ARRL DX Bulletin # 38 September 18, 2025] (0919-1010)

T8, PALAU. Nobu, JAØJHQ is QRV as **T88PB** from Koror Island (OC-009) **until October 5th**. This includes being an entry in the Oceania DX SSB contest (October 4th-5th). QSL via LoTW (preferred), or direct to [JAØJHQ](#).

-[ARRL DX Bulletin # 40 October 2, 2025] (1003-1010)

TG, GUATEMALA. Dwight, VE7BV will be QRV as **TG9BBV** from **October 5th to 25th**. Activity will be on 40 to 6 meters using CW, SSB, and possibly FT8. QSL via LoTW.

-[ARRL DX Bulletin # 40 October 2, 2025] (1003-1024)

UAØ, ASIATIC RUSSIA. Commemorating the 500th anniversary since Russian diplomat Dmitriij Gerasimov first proposed the idea of a sea route connecting Europe and China via the Arctic Ocean, special callsign **R5ØØSMP** (Severnogo Morskogo Puti, i.e. Northern Sea Route) will be QRV from **September 10th to October 10th**. Also active will be seven memorial stations from the regions along

whose coasts Gerasimov had imagined it would be possible to reach Asia: **R5000** (Arkhangelsk Oblast), **R500M** (Murmansk Oblast), **R500X** (Komi Republic), **R500K** (Yamalo-Nenets Autonomous Okrug), **R500Z** (Kamchatka Krai), **R500F** (Sakhalin Oblast), **R500L** (Primorsky Krai). Gerasimov's geographical hypothesis was recorded by the Italian humanist Paolo Giovio in 1525. See <https://hamlog.online/club/srr/1604/> for the certificate. All QSOs will be confirmed automatically via the bureau. QSL manager for all stations is [RN3RQ](#).
-[425DXN # 1793 September 13, 2025] (0912-1010)

V6, MICRONESIA. Nine operators (DG2RON, DJ7TO, DJ9KH, DK5WL, DL1KWK, DL2RNS, DL4SVA, DL7JOM and DL7VEE) will be active as **V6D** from Chuuk (OC-011), Micronesia from **September 22nd to October 6th**. Plans are to be QRV 24/7 on 160-6 meters CW, SSB, FT8 (MSHV), and RTTY with five stations. full LoTW upload after six months. See <https://v6d.mydx.de> for more information. QSL via [ClubLog's QQRS](#) (preferred), or [DL4SVA](#).
-[425DXN # 1775 May 10, 2025] (0919-1010)

VE, CANADA. Watch for Mike, VE2XB, operating as **VY0ZOO** from Coral Harbor on Southampton Island (NA-007), Nunavut **until December 18th**, QRV mostly on 40m CW. QSL via [VE2XB](#).
-[DXNL # 2476 September 17, 2025] (0919-1017)

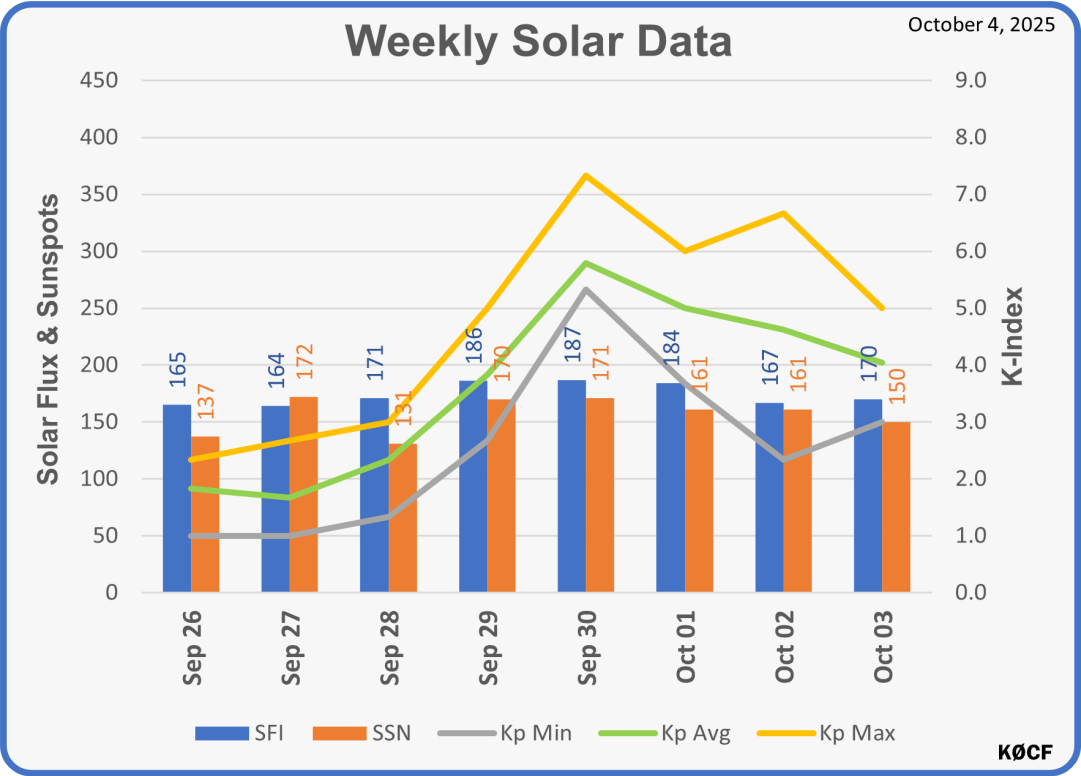
VK9X, CHRISTMAS I. A group of operators (BA7LVG, BH6BEZ, JA1COU, JA3GEP) are QRV as **VK9QO** **until October 7th**. Activity is on 80 to 6 meters using CW, SSB, FT8, and FT4, and on Satellite QO-100. QSL via [JA3GEP](#) and LoTW (daily uploads).
-[ARRL DX Bulletin # 40 October 2, 2025] (1003-1010)

VU, INDIA. Special callsign **AT25GOA** celebrates HamFest India 2025. Look for activity from **September 29th to October 13th** on 80-10 meters SSB, CW and FT8/FT4. See <https://www.qrz.com/db/AT25GOA> for more information. QSOs will be uploaded to QRZ Logbook and ClubLog.
-[425DXN # 1796 October 4, 2025] (1003-1017)

XT, BURKINA FASO. Harald, DF2WO will be active again as **XT2AW** from Burkina Faso on **October 4th-27th**. Usually he operates CW, SSB and FT8/FT4 on various bands, 6 meters included, and via QO-100. QSL via [M0OXO's QQRS](#) and LoTW.
-[425DXN # 1795 September 27, 2025] (1003-1031)

YJ, VANUATU. Bob, ZL1RS will be active again as **YJ0RS** from Efate (OC-035), Vanuatu on **October 1st-10th**. He will be QRV primarily on 6 meters (EME included), with some activity on 10m. More information and updates on <https://www.qrz.com/db/YJ0RS>. QSL via [ClubLog's QQRS](#), or direct to [ZL1RS](#).
-[425DXN # 1795 September 27, 2025] (0926-1010)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

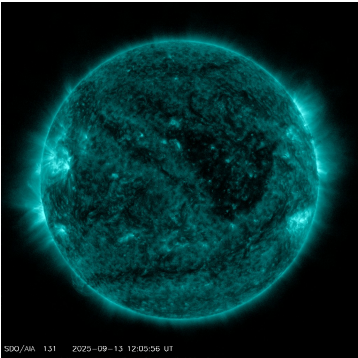
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, September 26th through yesterday, October 3rd.

The average solar flux was 176, up 4 points from the previous week, with a weekly high of 187 on Tuesday, September 30th, following a low of 164 on September 27th.

The average sunspot count was 159, up 6 from last week, peaking at 172 on Saturday, September 27th followed by a weekly low of 131 on September 28th.

The Planetary K-index weekly average was 4.8 with a maximum of 7.3 on Tuesday, September 30th, indicating a strong geomagnetic storm. Yesterday's K-index maximum was 5.0 with a minor geomagnetic storm.

Solar flare activity since September 27th has been high with 13 major flares, the largest of which was an M 6.4 event on Sunday, September 28th.

Propagation Data

Major solar flares, Saturday, September 27th through 1457 UTC, October 4th.

#	Date	UTC	Mag.
1	Oct 03	1436	M 1.2
2	Oct 03	0523	M 1.5
3	Oct 02	0209	M 1.2
4	Oct 01	1650	M 1.2
5	Oct 01	0226	M 1.2
6	Sep 30	1227	M 1.8
7	Sep 30	0940	M 2.7
8	Sep 30	0056	M 1.2
9	Sep 29	1139	M 1.1
10	Sep 29	0145	M 3.6
11	Sep 28	0843	M 6.4
12	Sep 27	0714	M 1.1
13	Sep 27	0423	M 1.1

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Oct 4	60%	15%	170
Oct 5	55%	10%	165
Oct 6	55%	10%	165

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on September 29, 2025).

Date	Flux	Kp
Oct 4	170	3
Oct 5	165	3
Oct 6	165	3
Oct 7	165	2

Date	Flux	Kp
Oct 8	155	2
Oct 9	155	2
Oct 10	155	2
Oct 11	145	5

Date	Flux	Kp
Oct 12	145	4
Oct 13	140	3
Oct 14	140	2
Oct 15	145	2

A Minor CME is Approaching Earth

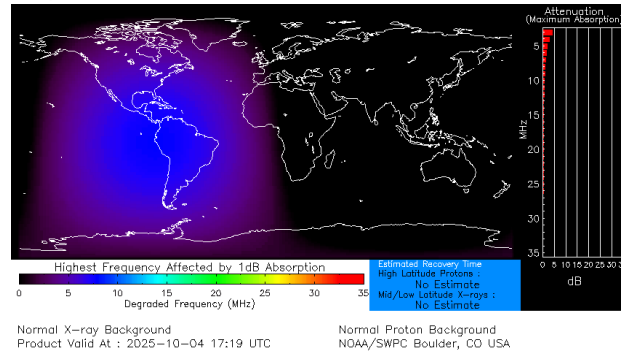
An M1-class solar flare from sunspot 4236 hurled a CME into space on Oct. 3rd. A [NASA model](#)

predicts it will strike Earth on **Oct. 8th**. Although it's only a minor CME, it could spark a geomagnetic storm thanks to the [Russell-McPherron effect](#), which links the magnetic fields of the sun and Earth around the equinoxes.

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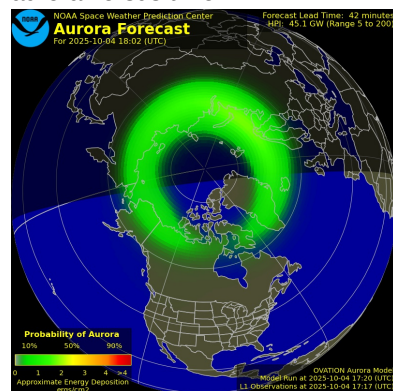
Global D Region Absorption

Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by “back-scatter” and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.com/>

<https://dx.gsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to

allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

(Compiled from information on NOAA.gov and other sources.)

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
Oceania DX Contest, Phone	Oct 4	0600Z	Oct 5	0600Z	Rules
California QSO Party	Oct 4	1600Z	Oct 5	2200Z	Rules
QRP ARCI Fall QSO Party	Oct 11	0000Z	Oct 11	2359Z	Rules
Makrothen RTTY Contest	Oct 11	0000Z	Oct 12	1559Z	Rules

Nevada QSO Party	Oct 11	0300Z	Oct 12	2100Z	Rules
Oceania DX Contest, CW	Oct 11	0600Z	Oct 12	0600Z	Rules
Scandinavian Activity Contest, SSB	Oct 11	1200Z	Oct 12	1200Z	Rules
Arizona QSO Party	Oct 11	1500Z	Oct 12	0500Z	Rules
Pennsylvania QSO Party	Oct 11	1600Z	Oct 12	0400Z	Rules
	Oct 12	1300Z	Oct 12	2200Z	
South Dakota QSO Party	Oct 11	1800Z	Oct 12	1800Z	Rules
10-10 Int. Fall Contest, CW	Oct 18	0001Z	Oct 19	2359Z	Rules
New York QSO Party	Oct 18	1400Z	Oct 19	0200Z	Rules
Worked All Germany Contest	Oct 18	1500Z	Oct 19	1459Z	Rules
Stew Perry Topband Challenge	Oct 18	1500Z	Oct 19	1500Z	Rules
Illinois QSO Party	Oct 19	1700Z	Oct 20	0100Z	Rules
ARRL School Club Roundup	Oct 20	1300Z	Oct 24	2359Z	Rules
CQ Worldwide DX Contest, SSB	Oct 25	0000Z	Oct 26	2400Z	Rules
ARRL Sweepstakes Contest, CW	Nov 1	2100Z	Nov 3	0300Z	Rules
WAE DX Contest, RTTY	Nov 8	0000Z	Nov 9	2359Z	Rules
10-10 Int. Fall Contest, Digital	Nov 8	0001Z	Nov 9	2359Z	Rules
JIDX Phone Contest	Nov 8	0700Z	Nov 9	1300Z	Rules
OK/OM DX Contest, CW	Nov 8	1200Z	Nov 9	1200Z	Rules
ARRL Sweepstakes Contest, SSB	Nov 15	2100Z	Nov 17	0300Z	Rules
LZ DX Contest	Nov 22	1200Z	Nov 23	1200Z	Rules
North American SSB Sprint Contest	Nov 23	0000Z	Nov 23	0400Z	Rules
CQ Worldwide DX Contest, CW	Nov 29	0000Z	Nov 30	2400Z	Rules
ARRL 160-Meter Contest	Dec 5	2200Z	Dec 7	1600Z	Rules
ARRL 10-Meter Contest	Dec 13	0000Z	Dec 14	2359Z	Rules
ARRL Rookie Roundup, CW	Dec 21	1800Z	Dec 21	2359Z	Rules
RAC Winter Contest	Dec 27	0000Z	Dec 27	2359Z	Rules
Stew Perry Topband Challenge	Dec 27	1500Z	Dec 28	1500Z	Rules
RAEM Contest	Dec 28	0000Z	Dec 28	1159Z	Rules
ARRL Kids Day	Jan 3	1800Z	Jan 3	2359Z	Rules
ARRL RTTY Roundup	Jan 3	1800Z	Jan 4	2400Z	Rules

(Contest data courtesy of the [WA7BNM Contest Calendar](#))